

Abstract:

A penetration-resistant material is described to include at least a double layer of woven fabric, wherein the double layer includes a first layer of fabric composed of a first set of threads having 3.5 to 20 threads/cm, having a linear density of at least 210 dtex, and composing at least 65 % of the fabric weight, and a second set of threads comprising 0.5 to 16 threads/cm and having a linear density of at least 50 dtex, with the second set of threads being transverse to the first set of threads, and the ratio of the number of threads/cm of the first set to that of the second set is > 1 , and a second layer of fabric composed of a first set of threads having 0.5 to 16 threads/cm and having a linear density of at least 50 dtex, and a second set of threads having 3.5 to 20 threads/cm, having a linear density of at least 210 dtex, and composing at least 65 % of the fabric weight, with the second set of threads being transverse to the first set of threads, and the ratio of the number of threads/cm of the second set to that of the first set is > 1 . In the first layer of fabric at least the first set of threads, and in the second layer of fabric at least the second set of threads, are treated with a water-repellant.